

SURFACE TREATMENT OF ALUMINUM ALLOYS TO IMPROVE STERILIZATION PROCESS COMPATIBILITY

ABSTRACT OF THE DISCLOSURE

Disclosed herein are methods of sterilizing a device in a sterilizer, methods of sterilizing a device in an enclosure in a sterilizer, and enclosures for retaining a device capable of being sterilized in a sterilization process. The sterilization process comprises hydrogen peroxide vapor or gas. The sterilization load may include an enclosure, which can be a tray or a container. The tray or container comprises at least a volume of aluminum oxide. The ratio of the amount of hydrogen peroxide gas or vapor introduced into the sterilizer to the volume of aluminum oxide is at least 24 mg/cm³.

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